

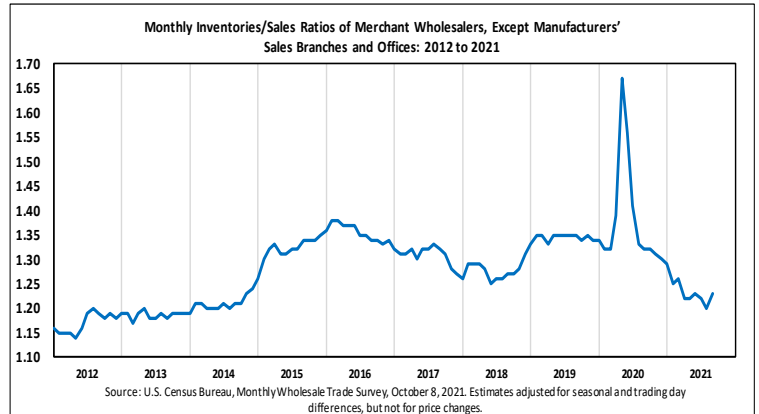
## MONTHLY WHOLESALE TRADE: SALES AND INVENTORIES, AUGUST 2021

Release Number: CB21-162

**Statement Regarding Natural Disasters:** For information on the impact of natural disasters, including hurricanes, on the compilation of this report, please see the <[Natural Disaster FAQs](#)>.

**October 8, 2021** — The U.S. Census Bureau announced the following new wholesale trade statistics for August 2021:

MONTHLY WHOLESALE INVENTORIES		
AUGUST 2021	\$731.1 billion	+1.2%
JULY 2021 (revised)	\$722.6 billion	+0.6%
Next release: November 10, 2021		
* The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero. Data adjusted for seasonality but not price changes. Source: U.S. Census Bureau, Monthly Wholesale Trade Survey, October 8, 2021.		



### Sales

August 2021 sales of merchant wholesalers, except manufacturers' sales branches and offices, after adjustment for seasonal variations and trading day differences but not for price changes, were \$595.5 billion, down 1.1 percent ( $\pm 0.5$  percent) from the revised July level, but were up 20.6 percent ( $\pm 1.8$  percent) from the revised August 2020 level. The June 2021 to July 2021 percent change was revised from the preliminary estimate of up 2.0 percent ( $\pm 0.4$  percent) to up 2.1 percent ( $\pm 0.4$  percent).

### Inventories

Total inventories of merchant wholesalers, except manufacturers' sales branches and offices, after adjustment for seasonal variations and trading day differences, but not for price changes, were \$731.1 billion at the end of August, up 1.2 percent ( $\pm 0.2$  percent) from the revised July level. Total inventories were up 12.3 percent ( $\pm 1.2$  percent) from the revised August 2020 level. The July 2021 to August 2021 percent change was unrevised from the advance estimate of up 1.2 percent ( $\pm 0.2$  percent).

#### Data Inquiries

Economic Indicators Division, Wholesale Indicator Branch  
301-763-6856 Rebecca Weaver  
[eid.wholesale.indicator.branch@census.gov](mailto:eid.wholesale.indicator.branch@census.gov)

#### Media Inquiries

Public Information Office  
301-763-3030  
[pio@census.gov](mailto:pio@census.gov)

## Inventories/Sales Ratio

The August inventories/sales ratio for merchant wholesalers, except manufacturers' sales branches and offices, based on seasonally adjusted data, was 1.23. The August 2020 ratio was 1.32.

## General Information

**Statement Regarding COVID-19 Impact:** The Census Bureau continues to monitor response and data quality and has determined that estimates in this release meet publication standards. For more information, see [<COVID-19 FAQs>](#).

The September 2021 Monthly Wholesale Trade Report is scheduled for release on November 10, 2021. View the full schedule in the Economic Briefing Room: [www.census.gov/economic-indicators/](http://www.census.gov/economic-indicators/).

For additional survey information, including customizable time series estimates by industry, visit [www.census.gov/wholesale/](http://www.census.gov/wholesale/).

## EXPLANATORY NOTES

### Reliability of the Estimates

Because the estimates presented in this report are based on a sample survey, they contain sampling error and nonsampling error.

Sampling error is the difference between the estimate and the result that would be obtained from a complete enumeration of the sampling frame conducted under the same survey conditions. This error occurs because only a subset of the entire sampling frame is measured in a sample survey. Standard errors and coefficients of variation, as given in Table 2 of this report, are estimated measures of sampling variation.

The margin of sampling error, as used on page 1, gives a range about the estimate, which can be used to construct a 90-percent confidence interval. If, for example, the percent change estimate is +1.2 percent and its estimated standard error is 0.8 percent, then the margin of sampling error is  $\pm 1.753 \times 0.8$  percent or  $\pm 1.4$  percent, and the 90 percent confidence interval is 1.2 +/-1.4 or -0.2 percent to +2.6 percent. If the interval contains 0, then one does not have sufficient statistical evidence to conclude at the 90 percent confidence level that the actual change is different from zero. Estimated changes shown in the text are statistically significant unless otherwise noted. For a monthly total, the estimated coefficient of variation is given. The resulting confidence interval is the estimated monthly total  $\pm 1.753 \times CV \times$  (the estimated monthly total). The Census Bureau recommends that individuals using estimates in this report incorporate this information into their analyses, as sampling error could affect the conclusions drawn from the estimates.

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Nonsampling error encompasses all other factors that contribute to the total error of a sample survey estimate. This type of error can occur because of nonresponse, insufficient coverage of the universe of wholesale businesses, mistakes in the recording and coding of data, model error, and other errors of collection, response, coverage, or processing. Although nonsampling error is not measured directly, the Census Bureau employs quality control procedures throughout the process to minimize this type of error.

### **Description of the Survey**

The Census Bureau conducts the Monthly Wholesale Trade Survey to provide national estimates of monthly sales, end-of-month inventories, and inventories-to-sales ratios by kind of business for wholesale firms located in the United States. Specifically, the MWTS covers wholesale merchants who sell goods on their own account and include such businesses as wholesale merchants or jobbers, industrial distributors, exporters, and importers. Sales offices and branches maintained by manufacturing, refining, or mining firms for the purpose of marketing their products are not covered in this report. Also excluded is NAICS Industry Group 4251: Wholesale Electronic Markets and Agents and Brokers.

The MWTS sample was selected using a stratified, one-stage design with strata defined by kind of business (e.g., Automotive, Furniture, Lumber, etc.) and annual sales size. The sample includes firms of all sizes and is updated on a quarterly basis to account for new wholesale firms, deaths, and other changes to the wholesale universe. Each month, questionnaires are mailed to employer firms selected in a probability sample of approximately 4,200. For surveyed companies, approximately 62.6 percent provided data for this reporting period, resulting in a total quantity response rate of 63.2 percent for sales and 65.9 percent for inventories.

Monthly sales and inventories estimates are obtained by summing weighted data (either reported or imputed). The monthly estimates are benchmarked to annual survey estimates and are adjusted for seasonal variation and trading day differences. Individuals who use estimates in this report to create new estimates should cite the Census Bureau as the source of only the original estimates. Additional information on the MWTS can be found on the Census Bureau website at: <[www.census.gov/wholesale/](http://www.census.gov/wholesale/)>.

### **RESOURCES**

#### **API**

The Census Bureau's application programming interface lets developers create custom apps to reach new users and makes key demographic, socio-economic and housing statistics more accessible than ever before.

<[www.census.gov/developers/](http://www.census.gov/developers/)>

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## FRED Mobile App



Receive the latest updates on the nation's key economic indicators by downloading the FRED App <<https://fred.stlouisfed.org/fred-mobile/>> for both Apple and Android devices. FRED, the signature database of the Federal Reserve Bank of St. Louis, now incorporates the Census Bureau's 13 economic indicators.

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\* The 90 percent confidence interval includes zero. There is insufficient evidence to conclude that the actual change is different from zero.

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**Table 1. Estimates of Monthly Sales, Inventories, and Inventories/Sales Ratios of Merchant Wholesalers, Except Manufacturers' Sales Branches and Offices**

[Total sales and inventories estimates are shown in millions of dollars. Estimates are based on data from the Monthly Wholesale Trade Survey.]

NAICS <sup>1</sup> code	Kind of Business	Sales						Inventories <sup>4</sup>						Inventories/Sales Ratios		
		Monthly			Percent change			Monthly			Percent change					
		Aug. 2021 (p)	Jul. 2021 (r)	Aug. 2020 (r)	Aug./Jul.	Jul./Jun.	Aug. 21/Aug. 20	Aug. 2021 (p)	Jul. 2021 (r)	Aug. 2020 (r)	Aug./Jul.	Jul./Jun.	Aug. 21/Aug. 20	Aug. 2021 (p)	Jul. 2021 (r)	Aug. 2020 (r)
<b>Adjusted<sup>2</sup></b>																
<b>42</b>	<b>U.S. Total</b>	<b>595,543</b>	<b>602,172</b>	<b>493,999</b>	<b>-1.1</b>	<b>2.1</b>	<b>20.6</b>	<b>731,124</b>	<b>722,569</b>	<b>651,231</b>	<b>1.2</b>	<b>0.6</b>	<b>12.3</b>	<b>1.23</b>	<b>1.20</b>	<b>1.32</b>
<b>423</b>	<b>.Durable</b>	<b>286,550</b>	<b>287,978</b>	<b>243,678</b>	<b>-0.5</b>	<b>1.1</b>	<b>17.6</b>	<b>434,416</b>	<b>429,232</b>	<b>389,040</b>	<b>1.2</b>	<b>1.2</b>	<b>11.7</b>	<b>1.52</b>	<b>1.49</b>	<b>1.60</b>
4231	..Automotive	44,581	45,842	39,375	-2.8	1.2	13.2	63,135	63,188	64,213	-0.1	-0.3	-1.7	1.42	1.38	1.63
4232	..Furniture	9,021	9,287	7,764	-2.9	1.7	16.2	14,519	14,530	11,621	-0.1	2.2	24.9	1.61	1.56	1.50
4233	..Lumber	18,225	18,322	14,454	-0.5	-5.0	26.1	29,601	28,766	20,670	2.9	2.3	43.2	1.62	1.57	1.43
4234	..Prof. equip.	49,364	47,779	45,100	3.3	-1.9	9.5	53,534	53,139	47,230	0.7	0.2	13.3	1.08	1.11	1.05
42343	...Comp. equip.	24,873	23,876	24,441	4.2	-5.0	1.8	19,602	18,912	16,349	3.6	1.0	19.9	0.79	0.79	0.67
4235	..Metals	21,063	20,868	12,041	0.9	6.9	74.9	37,478	36,155	29,803	3.7	4.6	25.8	1.78	1.73	2.48
4236	..Electrical	53,655	54,103	49,578	-0.8	0.7	8.2	58,973	58,125	52,255	1.5	0.5	12.9	1.10	1.07	1.05
4237	..Hardware	16,905	16,914	15,539	-0.1	-1.8	8.8	35,395	34,704	28,997	2.0	1.6	22.1	2.09	2.05	1.87
4238	..Machinery	44,973	46,161	38,714	-2.6	4.5	16.2	106,921	106,090	104,013	0.8	1.3	2.8	2.38	2.30	2.69
4239	..Misc. Durable	28,763	28,702	21,113	0.2	3.1	36.2	34,860	34,535	30,238	0.9	1.2	15.3	1.21	1.20	1.43
<b>424</b>	<b>.Nondurable</b>	<b>308,993</b>	<b>314,194</b>	<b>250,321</b>	<b>-1.7</b>	<b>3.1</b>	<b>23.4</b>	<b>296,708</b>	<b>293,337</b>	<b>262,191</b>	<b>1.1</b>	<b>-0.3</b>	<b>13.2</b>	<b>0.96</b>	<b>0.93</b>	<b>1.05</b>
4241	..Paper	8,252	8,128	7,194	1.5	3.8	14.7	9,546	9,477	8,449	0.7	0.1	13.0	1.16	1.17	1.17
4242	..Drugs	68,828	73,325	65,662	-6.1	5.2	4.8	76,827	77,071	71,889	-0.3	-0.8	6.9	1.12	1.05	1.09
4243	..Apparel	13,764	13,964	11,067	-1.4	-4.5	24.4	26,157	25,466	27,213	2.7	-1.1	-3.9	1.90	1.82	2.46
4244	..Groceries	65,031	64,175	56,697	1.3	0.5	14.7	45,556	44,624	40,741	2.1	0.4	11.8	0.70	0.70	0.72
4245	..Farm products	22,966	23,014	17,346	-0.2	2.0	32.4	32,409	32,994	25,649	-1.8	-3.3	26.4	1.41	1.43	1.48
4246	..Chemicals <sup>3</sup>	12,145	11,686	8,815	3.9	2.2	37.8	13,290	12,920	11,811	2.9	1.1	12.5	1.09	1.11	1.34
4247	..Petroleum	74,988	77,319	42,682	-3.0	6.4	75.7	28,133	26,867	19,985	4.7	-1.5	40.8	0.38	0.35	0.47
4248	..Alcohol	15,881	15,917	15,669	-0.2	2.7	1.4	18,403	18,138	16,040	1.5	1.8	14.7	1.16	1.14	1.02
4249	..Misc. Nondur.	27,138	26,666	25,189	1.8	0.4	7.7	46,387	45,780	40,414	1.3	2.3	14.8	1.71	1.72	1.60
	<b>Not Adjusted</b>															
														<b>Sales to date</b>		
														<b>2021</b>	<b>2020</b>	
<b>42</b>	<b>U.S. Total</b>	<b>608,205</b>	<b>598,086</b>	<b>489,422</b>	<b>1.7</b>	<b>-3.8</b>	<b>24.3</b>	<b>717,831</b>	<b>713,625</b>	<b>640,352</b>	<b>0.6</b>	<b>0.8</b>	<b>12.1</b>	<b>4,568,470</b>	<b>3,742,831</b>	
<b>423</b>	<b>.Durable</b>	<b>294,645</b>	<b>282,946</b>	<b>242,922</b>	<b>4.1</b>	<b>-6.6</b>	<b>21.3</b>	<b>437,632</b>	<b>433,635</b>	<b>391,137</b>	<b>0.9</b>	<b>2.1</b>	<b>11.9</b>	<b>2,189,912</b>	<b>1,806,835</b>	
4231	..Automotive	46,230	44,604	39,375	3.6	-5.7	17.4	60,673	62,998	61,773	-3.7	0.2	-1.8	351,640	280,547	
4232	..Furniture	9,427	9,603	7,919	-1.8	-1.2	19.0	15,071	15,039	12,039	0.2	5.4	25.2	70,472	57,804	
4233	..Lumber	19,574	19,256	15,061	1.7	-11.4	30.0	29,690	29,025	20,753	2.3	1.6	43.1	147,568	108,057	
4234	..Prof. equip.	48,229	47,540	43,161	1.4	-11.9	11.7	54,979	53,830	48,411	2.1	0.9	13.6	377,462	328,541	
42343	...Comp. equip.	23,331	24,497	22,632	-4.8	-14.6	3.1	20,053	18,969	16,758	5.7	-0.2	19.7	192,205	174,772	
4235	..Metals	21,737	20,367	11,921	6.7	-1.3	82.3	38,003	36,770	30,220	3.4	6.2	25.8	148,613	96,724	
4236	..Electrical	55,801	51,181	50,322	9.0	-7.3	10.9	60,211	58,997	53,196	2.1	2.4	13.2	402,759	366,670	
4237	..Hardware	18,021	17,827	15,990	1.1	-9.3	12.7	35,643	34,878	29,171	2.2	1.5	22.2	134,759	117,269	
4238	..Machinery	46,547	45,330	38,482	2.7	-2.8	21.0	107,456	107,045	104,429	0.4	1.8	2.9	343,646	297,705	
4239	..Misc. Durable	29,079	27,238	20,691	6.8	-3.3	40.5	35,906	35,053	31,145	2.4	3.8	15.3	212,993	153,518	
<b>424</b>	<b>.Nondurable</b>	<b>313,560</b>	<b>315,140</b>	<b>246,500</b>	<b>-0.5</b>	<b>-1.1</b>	<b>27.2</b>	<b>280,199</b>	<b>279,990</b>	<b>249,215</b>	<b>0.1</b>	<b>-1.2</b>	<b>12.4</b>	<b>2,378,558</b>	<b>1,935,996</b>	
4241	..Paper	8,656	8,136	7,273	6.4	0.1	19.0	9,498	9,534	8,390	-0.4	-0.6	13.2	62,350	56,563	
4242	..Drugs	68,828	71,565	63,167	-3.8	0.4	9.0	74,676	76,454	70,236	-2.3	0.3	6.3	544,440	495,738	
4243	..Apparel	15,044	13,978	11,775	7.6	-4.4	27.8	27,831	26,841	29,036	3.7	3.0	-4.2	108,615	79,750	
4244	..Groceries	66,917	65,009	57,264	2.9	-0.7	16.9	45,784	44,490	40,904	2.9	1.5	11.9	495,033	445,045	
4245	..Farm products	21,037	21,173	15,559	-0.6	-5.2	35.2	21,001	23,393	16,800	-10.2	-12.8	25.0	173,907	126,940	
4246	..Chemicals	12,801	11,779	8,930	8.7	-3.2	43.3	13,290	12,920	11,811	2.9	1.1	12.5	90,739	75,661	
4247	..Petroleum	77,987	81,572	43,536	-4.4	5.3	79.1	27,514	27,028	19,465	1.8	-4.4	41.4	565,355	345,042	
4248	..Alcohol	16,183	15,742	15,293	2.8	-11.7	5.8	18,532	18,265	16,120	1.5	2.2	15.0	120,050	108,718	
4249	..Misc. Nondur.	26,107	26,186	23,703	-0.3	-10.6	10.1	42,073	41,065	36,453	2.5	-2.3	15.4	218,069	202,539	

Footnotes:

<sup>p</sup> Preliminary estimate.

<sup>r</sup> Revised estimate.

<sup>1</sup> For a full description of the NAICS codes used in this table, see the 2012 NAICS manual or <<https://www.census.gov/naics/>>.

<sup>2</sup> Except where indicated, sales and inventories estimates are adjusted for seasonal variation. Estimates of sales are also adjusted for trading day differences and moving holidays. Estimates of inventories are also adjusted for trading day differences. See Table 3 for the combined adjustment factors. Adjusted sales-to-date estimates are not tabulated.

<sup>3</sup> No significant seasonal pattern for this NAICS code was detected in the latest annual review of the seasonal adjustment for inventories. Consequently, the "Adjusted" inventories estimates are equal to the "Not Adjusted" estimates.

<sup>4</sup> Adjusted and not adjusted inventories for aggregate NAICS levels 42, 423, and 424 are revised from the Advance Economic Indicators Report.

Data adjusted for seasonality but not price changes. Explanations of confidence intervals and sampling variability can be found on our website at <[www.census.gov/wholesale/www/how\\_surveys\\_are\\_collected/monthly\\_methodology.html](http://www.census.gov/wholesale/www/how_surveys_are_collected/monthly_methodology.html)>.

Source: U.S. Census Bureau, Monthly Wholesale Trade Survey, October 8, 2021.

**Table 2. Estimated Measures of Sampling Variability of Monthly Wholesale Sales and Inventory Estimates**

[Estimates are shown as percents and are based on data from the Monthly Wholesale Trade Survey.]

NAICS code	Kind of Business	Coefficient of variation for monthly total				Standard error for monthly total				Coefficient of variation for total		Standard error for percent change
		Preliminary estimates		Final estimates		Ratio of two consecutive months		Current month to current month last year		Sales to date		Current year sales to date to previous year sales to date
		Sales	Inv.	Sales	Inv.	Sales	Inv.	Sales	Inv.	Current year	Previous year	
<b>42</b>	<b>U.S. Total</b>	<b>1.2</b>	<b>1.7</b>	<b>1.3</b>	<b>1.7</b>	<b>0.3</b>	<b>0.1</b>	<b>1.0</b>	<b>0.7</b>	<b>1.2</b>	<b>1.2</b>	<b>0.7</b>
<b>423</b>	<b>..Durable</b>	<b>1.6</b>	<b>2.4</b>	<b>1.8</b>	<b>2.4</b>	<b>0.5</b>	<b>0.2</b>	<b>1.2</b>	<b>1.0</b>	<b>1.7</b>	<b>1.8</b>	<b>0.8</b>
4231	..Automotive	3.7	4.4	3.5	4.2	0.5	0.6	1.5	2.3	3.5	3.4	1.4
4232	..Furniture	6.5	10.4	6.5	11.1	2.9	1.1	5.6	8.1	5.6	3.3	4.6
4233	..Lumber	5.5	6.1	5.6	6.0	0.9	0.6	2.8	4.2	5.3	4.7	2.7
4234	..Prof. equip.	3.7	6.3	3.5	6.5	0.6	0.3	1.9	1.3	3.6	3.9	1.6
42343	...Comp. equip.	3.0	3.2	3.1	3.6	0.6	0.6	2.2	1.4	3.1	4.1	1.8
4235	..Metals	5.7	4.5	5.5	4.5	0.9	0.3	6.0	2.7	5.4	5.0	4.1
4236	..Electrical	3.9	5.3	3.9	5.2	1.0	0.5	2.0	1.4	4.1	3.5	1.8
4237	..Hardware	5.3	8.6	5.7	8.7	0.9	0.4	1.9	1.5	4.7	4.7	1.2
4238	..Machinery	3.7	4.6	4.6	4.5	1.3	0.4	3.2	1.8	3.6	3.3	1.7
4239	..Misc. Durable	4.4	6.7	4.6	6.7	0.9	0.7	3.2	3.5	4.6	5.2	3.0
<b>424</b>	<b>..Nondurable</b>	<b>1.1</b>	<b>1.4</b>	<b>1.3</b>	<b>1.3</b>	<b>0.3</b>	<b>0.3</b>	<b>1.2</b>	<b>1.0</b>	<b>1.1</b>	<b>1.2</b>	<b>0.8</b>
4241	..Paper	13.7	16.3	14.3	16.0	0.8	0.6	2.7	3.9	13.1	12.4	2.2
4242	..Drugs	2.2	4.3	1.9	4.3	0.4	0.3	0.7	0.7	2.1	2.0	0.6
4243	..Apparel	6.7	6.0	7.1	6.0	1.9	0.6	5.7	1.6	6.8	5.4	4.1
4244	..Groceries	3.5	3.3	3.5	3.3	0.4	0.5	1.0	1.3	3.5	3.3	1.0
4245	..Farm products	4.2	4.8	4.2	4.5	1.1	1.6	3.4	4.1	3.5	4.3	3.0
4246	..Chemicals	3.9	8.1	3.9	7.7	2.3	0.6	3.8	2.9	3.9	4.2	1.6
4247	..Petroleum	4.9	6.7	5.1	5.1	0.3	1.2	5.6	6.2	4.4	3.0	4.2
4248	..Alcohol	8.1	11.0	7.8	10.7	0.9	0.8	3.2	5.1	8.1	7.6	2.9
4249	..Misc. Nondur.	6.9	6.0	6.6	5.7	1.1	0.8	2.3	3.2	6.0	5.8	2.2

Note:

Estimated measures of sampling variability are based on estimates not adjusted for seasonal variation, trading day differences, or moving holidays. Additional information on confidentiality protection, sampling error, nonsampling error, sample design, and definitions may be found at [www.census.gov/wholesale/www/how\\_surveys\\_are\\_collected/monthly\\_methodology.html](http://www.census.gov/wholesale/www/how_surveys_are_collected/monthly_methodology.html).

Data adjusted for seasonality but not price changes. Explanations of confidence intervals and sampling variability can be found on our website at [www.census.gov/wholesale/www/how\\_surveys\\_are\\_collected/monthly\\_methodology.html](http://www.census.gov/wholesale/www/how_surveys_are_collected/monthly_methodology.html).

Source: U.S. Census Bureau, Monthly Wholesale Trade Survey, October 8, 2021.

**Table 3. Combined<sup>1</sup> Adjustment Factors for Monthly Wholesale Sales and Inventory Estimates**

[Combined adjustment factors are computed using the Census Bureau's X-13 ARIMA-SEATS program and are based on data from the Monthly Wholesale Trade Survey.]

NAICS code	Kind of Business	Sales						Inventories					
		2021					2020	2021					2020
		Sep.	Aug.r	Jul.r	Jun.	May	Aug.r	Sep.	Aug.r	Jul.r	Jun.	May	Aug.r
<b>42</b>	<b>U.S. Total<sup>2</sup></b>	<b>1.018</b>	<b>1.017</b>	<b>0.988</b>	<b>1.050</b>	<b>0.999</b>	<b>0.990</b>	<b>0.992</b>	<b>0.981</b>	<b>0.985</b>	<b>0.986</b>	<b>0.991</b>	<b>0.981</b>
<b>423</b>	<b>.Durable</b>	<b>1.045</b>	<b>1.024</b>	<b>0.981</b>	<b>1.064</b>	<b>0.974</b>	<b>0.994</b>	<b>1.003</b>	<b>1.003</b>	<b>1.006</b>	<b>1.001</b>	<b>1.001</b>	<b>1.003</b>
4231	..Automotive	0.977	1.037	0.973	1.045	0.986	1.000	0.979	0.961	0.997	0.992	0.994	0.962
4232	..Furniture	1.047	1.045	1.034	1.064	0.940	1.020	1.030	1.038	1.035	1.004	0.990	1.036
4233	..Lumber	1.063	1.074	1.051	1.127	1.019	1.042	0.985	1.003	1.009	1.016	1.018	1.004
4234	..Prof. equip.	1.082	0.977	0.995	1.108	0.942	0.957	1.012	1.027	1.013	1.006	0.995	1.025
42343	...Comp. equip.	1.102	0.938	1.026	1.141	0.914	0.926	1.027	1.023	1.003	1.015	0.992	1.025
4235	..Metals	1.007	1.032	0.976	1.057	1.010	0.990	1.010	1.014	1.017	1.002	1.003	1.014
4236	..Electrical	1.110	1.040	0.946	1.028	0.914	1.015	1.021	1.021	1.015	0.996	0.996	1.018
4237	..Hardware	1.042	1.066	1.054	1.141	1.006	1.029	1.002	1.007	1.005	1.006	1.018	1.006
4238	..Machinery	1.017	1.035	0.982	1.055	1.001	0.994	0.999	1.005	1.009	1.004	1.011	1.004
4239	..Misc. Durable	1.059	1.011	0.949	1.012	0.959	0.980	1.050	1.030	1.015	0.990	0.981	1.030
<b>424</b>	<b>.Nondurable</b>	<b>0.995</b>	<b>1.008</b>	<b>0.996</b>	<b>1.039</b>	<b>1.031</b>	<b>0.986</b>	<b>0.973</b>	<b>0.948</b>	<b>0.956</b>	<b>0.968</b>	<b>0.979</b>	<b>0.948</b>
4241	..Paper	1.022	1.049	1.001	1.038	0.997	1.011	0.995	0.995	1.006	1.013	1.000	0.993
4242	..Drugs	1.023	1.000	0.976	1.023	0.970	0.962	1.018	0.972	0.992	0.981	0.979	0.977
4243	..Apparel	1.120	1.093	1.001	1.000	0.947	1.064	1.066	1.064	1.054	1.012	0.965	1.067
4244	..Groceries	1.006	1.029	1.013	1.026	1.025	1.010	1.016	1.005	0.997	0.986	0.986	1.004
4245	..Farm products	0.892	0.916	0.920	0.990	0.993	0.897	0.731	0.648	0.709	0.786	0.872	0.655
4246	..Chemicals <sup>3</sup>	1.015	1.054	1.008	1.065	0.998	1.013	1.000	1.000	1.000	1.000	1.000	1.000
4247	..Petroleum	0.995	1.040	1.055	1.066	1.072	1.020	0.984	0.978	1.006	1.037	1.018	0.974
4248	..Alcohol	1.034	1.019	0.989	1.151	1.003	0.976	1.019	1.007	1.007	1.003	1.023	1.005
4249	..Misc. Nondur.	0.953	0.962	0.982	1.103	1.149	0.941	0.934	0.907	0.897	0.939	0.995	0.902

Footnotes:

<sup>r</sup> Revised factors.

<sup>1</sup> Combined factors for sales include the effects of seasonal variation, trading day differences, and moving holidays. Combined factors for inventories include the effects of seasonal variation and trading day differences.

<sup>2</sup> Adjusted sales and inventories estimates for detailed kind-of-business levels in Table 1 are computed by dividing each "Not Adjusted" estimate by the combined adjustment factor for the corresponding kind of business and month. Adjusted estimates for broad kind-of-business levels are obtained by summing adjusted estimates at the appropriate detailed levels. Combined factors shown for broad kind-of-business levels may be used to approximate adjusted estimates at these levels, but the resulting estimates may differ slightly from the published estimates.

<sup>3</sup> No significant seasonal pattern for this NAICS code was detected in the latest annual review of the seasonal adjustment for inventories. Therefore, the combined adjustment factors for inventories are set to one for this NAICS code.

Note:

The seasonal adjustment factors shown are estimates derived from a model that uses sample survey data as input. Therefore, these estimates may contain sampling error and nonsampling error. Additional information on the general form of the model and the X-13 ARIMA-SEATS program may be found at <<https://www.census.gov/data/software/x13as.html>>.

Data adjusted for seasonality but not price changes. Explanations of confidence intervals and sampling variability can be found on our website at <[www.census.gov/wholesale/www/how\\_surveys\\_are\\_collected/monthly\\_methodology.html](http://www.census.gov/wholesale/www/how_surveys_are_collected/monthly_methodology.html)>.

Source: U.S. Census Bureau, Monthly Wholesale Trade Survey, October 8, 2021.